

EAST Search History

Ref #	Hits	Search Query	Dbs	Default Operator	Plurals	Time Stamp
L2	83	(forward\$3 adj7 message\$1) with HLR with VLR	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:19
L3	566	719/316.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:20
L4	359	L3 and format\$3	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:20
L5	26	(updat\$3 adj4 position\$1) with HLR	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:20
L7	156	(updat\$3 near4 registration) same HLR same vLR	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:20
L9	6	(updat\$3 near4 registration) same HLR same position	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:21
L10	156	(updat\$3 near4 registration) same HLR same vLR	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:21
L11	11	L10 and behalf	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:21
L12	8	updat\$3 same HLR same vLR same cache	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:21
L13	203	(mobile\$1 adj2 location) near5 manage\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/02 11:21
L14	54	L13 and @prad<"20020110"	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:21
L15	13	L14 and hlr and vlr	US-PGPUB; USPAT	OR	OFF	2007/03/02 11:21



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[IP-based access network infrastructure for next-generation wireless data networks - group of 9 »](#)

R Ramjee, TF La Porta, L Salgarelli, S Thuel, K ... - Personal Communications, IEEE [see also IEEE Wireless ..., 2000 - ieeexplore.ieee.org

... The algorithm used to update selected routers to ... must be prepared to receive surrogate

registration requests, generated by base stations on behalf of mobile ...

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[Mobility management in next-generation wireless systems - group of 17 »](#)

IF Akyildiz, J McNair, JSM Ho, H Uzunalioglu - Proceedings of the IEEE, 1999 - ieeexplore.ieee.org

... 1). For PLMN, the location **registration** procedures update the location databases (HLR and VLR's) and authenticate the MT when up-to-date location informa ...

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[Challenges for Mobile Voice-over-IP - group of 6 »](#)

P Agrawal, JC Chen, CJ Sreenan - Proceedings of the IFIP-TC6/European Commission ..., 2000 - Springer

... update message 3. Subscription data return 4. Location update ACK 5 ... software executed

it took care of the **registration** procedure on behalf of the user ...

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[Global Roaming in Next-Generation Networks - group of 5 »](#)

TB Zahariadis, KG Vaxevanakis, CP Tsantilas, NA ... - IEEE Communications Magazine, 2002 - ieeexplore.ieee.org

... After **registration** and authentication, the user can roam in the ... 1996 [3] YB Lin, "Reducing Location Update Cost in a ... of a TMN system, built on behalf of IBM. ...

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[Agent-Based Forwarding Strategies for Reducing Location Management Cost in Mobile Networks - group of 14 »](#)

IR Chen, TM Chen, C Lee - Mobile Networks and Applications, 2001 - Springer

... can cover a large number of location **registration** areas. ... Location Al-gorithm (ATLA) and the Cross-Update Agent-Based ... a VLR as the local agent on behalf of the ...

Cited by 16 - Related Articles - Web Search - BL Direct

[Database Performance for Next Generation Telecommunications - group of 7 »](#)

»

M Cochinwala - Proceedings of the 17th International Conference on Data ..., 2001 - doi.ieeecs.org

... of the VLR currently handling calls on that user's behalf. ... Every movement and subsequent **registration** by a mobile user will result in an update. ...

Cited by 2 - Related Articles - Web Search - BL Direct

[A Location Management Scheme for Mobility Support in Wireless IP](#)

[Networks Using Session Initiation ... - group of 6 »](#)

S Zhou, A Seneviratne, T Percival - Proceedings of the 9th IEEE International Conference on ..., 2001 - doi.ieeecomputersociety.org

... user agent is an end system that acts on behalf of a ... registration/update and call/session delivery ... Figure-2: The architecture of HLR and VLR Following the basic ...

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[A Systematic Approach for Closer Integration of Cellular and Internet Services - group of 4 »](#)

VK Gurbani, XH Sun - IEEE Network, 2005 - ieeexplore.ieee.org

... the cellular network to make intelligent decisions on her behalf such that ... events userprof: non-call related events, eg location update and registration ...

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[IP-Based Access Network Infrastructure for Next-Generation Wireless Data Networks - group of 10 »](#)

E Wireless, DN Architectures - IEEE Personal Communications, 2000 - cs.mdx.ac.uk

... CDMA networks use HLR/VLR mechanisms similar to GPRS 2 for ... generated by base stations

on behalf of mobile ... in our configuration the registration update from the ...

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[Arrangement for providing a call hand-off for a mobile station from a land-line supported private ... - group of 2 »](#)

A Buttitta, KL Hilton, MH Khan - US Patent 5,913,166, 1999 - Google Patents

... 15, 1995 on behalf of JW Davidson et al. ... The registration with the public system will automatically update the MS's Temporary Listed Directory Number ...

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R Ramjee, TF La Porta, L Salgarelli, S Thuel, K ... - Personal Communications, IEEE [see also IEEE Wireless ..., 2000 - ieeexplore.ieee.org

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registration requests, generated by base stations on **behalf** of mobile ...

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[... efficient location management scheme based on replication strategy for intersystem roaming in mobile ... - group of 2 »](#)

H LEE, DH CHO - Computer communications, 2006 - brahms.kaist.ac.kr

... an Insert Subscriber Data message, on **behalf** of the HLR ... IRG sim- ply forwards the **Update Location** message ... subscriber, and the location **registration** is performed ...

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[Challenges for Mobile Voice-over-IP - group of 6 »](#)

P Agrawal, JC Chen, CJ Sreenan - ... International Workshop on **Mobile** and Wireless Communication ..., 2000 - Springer

... **update** message 3. Subscription data return 4. Location **update ACK** 5 ... software executed

it took care of the **registration** procedure on **behalf** of the user ...

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[System and method for roaming for prepaid mobile telephone service - group of 2 »](#)

C Sofer, S Wolfman, O Biran - US Patent 6,975,852, 2005 - Google Patents

... VISITED IG PLACES OUT CALL ON **BEHALF** OF USER ... detail record (CDR) delivery time and

balance **update**. ... and via MAP, a visited location **register (VLR)** 122 connected ...

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IF Akyildiz, J McNair, JSM Ho, H Uzunalioglu - Proceedings of the IEEE, 1999 - ieeexplore.ieee.org

... will normally be assigned to an HLR located in ... is **roaming** in London, each location **update** performed by ... delay for completing a location **registration** may increase ...

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[System and method for authorization of location services - group of 3 »](#)

CH Kingdon, BR Zadeh, M Roel-Ng, S Hayes - US Patent 6,138,003, 2000 - Google Patents
... eg, by querying the Home Location Register (HLR) 265 or ... serving MSC/VLR when a location

update was performed ... with a certain directory number on **behalf** of agency ...
Cited by 18 - Related Articles - Web Search

System and method for providing packet data and voice services to mobile subscribers - group of 2 »

JHH Penners, PV Kamat, D Sirovica... - US Patent 5,793,762, 1998 - Google Patents
... Finally, the system includes a Visitor Location Register/ DirectoryNumberManager(VLR/DN-Mgr ... with the wire -line switch, the HLR and the ...

Cited by 111 - Related Articles - Web Search

METHODS AND SYSTEMS FOR PROVIDING MOBILE LOCATION MANAGEMENT SERVICES IN A NETWORK ROUTING NODE

RL ALLISON, PJ MARSICO - EP Patent 1,472,809, 2004 - freepatentsonline.com
... In line 3, the **Update** Location message is forwarded to ... message is directed to location **register** caching application ... Rather, the MMR can act on **behalf** of the ...

Cached - Web Search

Distributed call processing for personal communications services - group of 2 »

TF La Porta, M Veeraraghavan, PA Treventi, R ... - Communications Magazine, IEEE, 1995 - ieeexplore.ieee.org
... are addressed directly by/during the **registration** process described ... incoming call screening on their **behalf**, they are ... it received a location **update** (ROtJTEREQ ...
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E Wireless, DN Architectures - IEEE Personal Communications, 2000 - cs.mdx.ac.uk
... CDMA networks use HLR/VLR mechanisms similar to GPRS 2 for ... generated by base stations
on **behalf of mobile** ... in our configuration the **registration update** from the ...
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Interworking of a distributed architecture for wireless PCS networks with conventional networks: ...

RS Kalbag, D Medhi - ACM SIGMOBILE Mobile Computing and Communications Review, 1997 - portal.acm.org
... the service profile of the IS-41 mobile during **registration**. ... the DISw allows the ConS to **update** its route ... to request feature-related treatment on **behalf of** a ...
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A Location Management Scheme for Mobility Support in Wireless IP Networks Using Session Initiation ... - group of 6 »

S Zhou, A Seneviratne, T Percival - Proceedings of the 9th IEEE International Conference on ..., 2001 - doi.ieeecomputersociety.org
... is an end system that acts on **behalf of** a ... **registration/update** messages are used to read and write to the ... initiation messages are only allowed to read the HLR. ...
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Managing packet data interconnections in mobile communications - group of 3 »

MH Harper, J Senthilnathan - US Patent 6,985,464, 2006 - Google Patents
... has issued a second connection request on **behalf of** the ... under appropriate MAP protocols,
location update procedures (or **registration noti**-fication) ...
[Related Articles](#) - [Web Search](#)

Method and devices for handling subscriber information of a subscriber of a mobile radio network

HJANCH VAN, NCH GRANATH, TCH KIENLE - EP Patent 1,494,493, 2005 - freepatentsonline.com
... all the signalling to the Internet on **behalf of** an ... the execution of a pseudo location **update** between a ... in Figure 1, the home location **register HLR** is connected ...
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METHOD AND APPARATUS FOR PERMITTING A MOBILE STATION TO OPERATE IN A VISITED NETWORK

B KOWARSCH - EP Patent 1,310,130, 2003 - freepatentsonline.com
... in visited networks and incur charges on **behalf of** the ... a **VLR** 7. Therefore, a location **update** signal will ... the **mobile station's** 11 attempt to **register** is relayed ...
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[book] [CNAP Specification and Validation a Design Methodology Using LOTOS and UCM. - group of 5 »](#)

Z Yi - 2001 - jucmnav.softwareengineering.ca

... of the MS on the radio control path for location **update/registration** ... Home Location Register (HLR) ... The HLR also manages the location information in the network ...

[Cited by 5 - Related Articles - View as HTML - Web Search - Library Search](#)

[Deployment of mobile agents in the mobile telephone network management - group of 8 »](#)

I Brusic, V Hassler, W Lugmayr - System Sciences, 2000. Proceedings of the 33rd Annual Hawaii ..., 2000 - ieeexplore.ieee.org

... can operate on the user's **behalf** without explicit ... the timer again) the MS initiates a location **update**. ... by the **VLR**; - Home Location Register (HLR) where all ...

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[GSM-Interoperable Mobile Satellite Call Processing Architecture](#)

S Anderson - ieeexplore.ieee.org

... The **VLR** receiving the location **update** request notifies the ... MSC Mobile Services Switching

Center • **VLR** Visitor Location Register • **HLR** Home Location ...

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[Comparison of signaling loads for PCS systems - group of 6 »](#)

TF La Porta, M Veeraraghavan, RW Buskens - Networking, IEEE/ACM Transactions on, 1996 - ieeexplore.ieee.org

... a network, call establishment time, and **update** and operation ... There are also procedures

for **mobile registration** upon power-up ... UP) that act on **behalf of mobile** ...

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[Mobile intelligent agent technologies to support VoIP seamless mobility - group of 3 »](#)

CH Lin, JS Yang, KC Wu - Advanced Information Networking and Applications, 2005. AINA ..., 2005 - ieeexplore.ieee.org

... MA authenticates with AS on behalf of the MN ... AAD Average Agent discovery BU Binding

[update delay REP ... delay of service authentication and registration, which is ...](#)

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VK Gurbani, XH Sun - IEEE Network, 2005 - ieeexplore.ieee.org

... the cellular network to make intelligent decisions on her behalf such that ... events userprof: non-call related events, eg location [update](#) and [registration](#) ...

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[A Generalized Architecture for Tetherless Computing in Disconnected Networks - group of 3 »](#)

A Seth, P Darragh, S Keshav - Work in progress: <http://mindstream.watsmore.net> - mindstream.watsmore.net

... Custodians store data on behalf of disconnected mobile hosts ... Internet region) then the location [register](#) can be ... forwarded (when the location [update](#) reaches the ...

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[Impacts of mobile agent technology on mobile communication systemevolution - group of 2 »](#)

L Hagen, M Breugst, T Magedanz - Personal Communications, IEEE [see also IEEE Wireless ..., 1998 - ieeexplore.ieee.org

... their service capabilities most efficiently to roaming users ... a generally accepted definition explains mobile agents as ... computer programs that act on behalf of a ...

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[A Taxonomy of Cyber Attacks on 3G Networks](#)

K Kotapati, P Liu, Y Sun, TF LaPorta - Proc. IEEE Intl Conf. on Intelligence and Security ..., 2005 - nsrc.cse.psu.edu

... Control Manages calls, sessions or handles sessions, calls on behalf of the ... Send [Registration / Location Update messages to Registration Agent \(HLR\)](#) ...

[Cited by 1 - Related Articles - View as HTML - Web Search](#)

[Mobile IP applicability: when do we really need it? - group of 4 »](#)

JZ Sun, J Sauvola, I Oulu - Parallel Processing Workshops, 2004. ICPP 2004 Workshops. ..., 2004 - ieeexplore.ieee.org

... reachable) without having to frequently [update](#) its location ... Visited location [register](#) (VLR) Foreign Agent (FA) Table 2 ... stores incoming mail on behalf of the user ...

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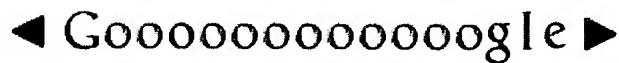
[Mobility management for a multimedia mobile network - group of 4 »](#)

W Ahmed, BT Doshi, S Dravida, H Jiang, KM Rege - US Patent 6,160,804, 2000 - Google Patents
... LOOK UP MESSAGE TO HLR ON BEHALF OF INITIATING ... Subsequently, the updated network nodes update other network ... the address for the home location register of each ...
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[ps] **Security Aspects of Mobile Communications - group of 3 »**
K Vedder - Computer Security and Industrial Cryptography-State of the ..., 1991 - iaik.tugraz.at
... handled locally by the Visitor Location Register (VLR), where the ... the network operator, on whose behalf the SIM ... to be assigned at each location update procedure ...
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Location Management Strategies in Next Generation Personal Communications Services Networks - group of 3 »
P García-Escalante, V Casares-Giner - MOSAIC, 2004 - upgrade-cepis.org
... Publisher UPGRADE is published on behalf of CEPIS ... Register (HLR), and the Visitor Location Register (VLR). ... are updated by location update messages triggered by ...
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Communication system for providing roaming between an internet protocol multimedia system and a ... - group of 3 »
RP Ejzak - US Patent 6,871,070, 2005 - Google Patents
... iMSC server acts as a SIP UA (user agent) on behalf of the ... 24.008 such as IMSI Attach, Detach, and inter-iMSC Location Update, and SIP registration and de ...
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O Carlsson, I Andersson, J Axelsson - US Patent 6,026,291, 2000 - Google Patents

... may be by another or on the **behalf** of another. ... Each **register** is separate and independent

from the others ... of aroaming subscriber communicates with the **HLR** 200 of ...

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[Development of an integrated backbone network for a high capacityPCN network](#)

VW Cheng, JY Khan, RI Chaplin - Global Telecommunications Conference, 1998.

GLOBECOM 98. The ..., 1998 - ieeexplore.ieee.org

... into the following five categories: • **Mobile registration** procedure • Location ... traffic, especially location **update** and handover ... one **VLR** and one **HLR** were used ...

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[An Architecture for Tetherless Communication - group of 3 »](#)

A Seth, P Darragh, S Liang, Y Lin, S Keshav - DTN Workshop, 2005 - drops.dagstuhl.de

... Custodians store data on **behalf** of disconnected **mobile** hosts and deliver ... DTN routing, then the only role of the **REGISTER** message would be to **update** the ...

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RP Ejzak - US Patent 6,954,654, 2005 - Google Patents

... iMSC server acts as a SIP UA (user agent) on **behalf** of the ... 24.008 such as IMSI Attach,

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S Disch, R Nicodemus - columbia.edu

... the UE using subscription data copied from the **HLR**. ... TMSI is allocated by the **VLR** during location **update**. ... User equipment must **register** with the network to gain ...

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T Technologies - argreenhouse.com

... The SIP **REGISTER** method SHALL designate a "RHO" CONTACT that ... a new address from the

DHCP on **behalf** of the ... The DHCP sever of VR SHALL either **update** the DNS ...
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Method and system for providing roaming service in a telecommunications system that is partially ... - group of 2 »

K Koster - US Patent 6,253,081, 2001 - Google Patents

... Number Portability Sub-task Group on **behalf** of the ... a "home-system subscriber," by searching its own HLR. ... the CMR in a visitor location **register (VLR)** for the ...

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Methods and systems for providing mobile subscriber surveillance - group of 2 »

RL Allison, PJ Marsico - US Patent 6,901,262, 2005 - Google Patents

... information in a **mobile** subscriber's home location **register**. ... signaling message is a **MAP Update** -Location message ... go quently received and processed by **HLR 120**. ...

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Design and Analysis of Algorithms for Efficient Location and Service Management in Mobile Wireless ... - group of 2 »

B Gu - 2005 - scholar.lib.vt.edu

... accepting communication messages on the user's **behalf**, ... **mobile** user sends the **registration** information to ... turn can perform appropriate **update** actions, depending ...

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Design and Analysis of Algorithms for Efficient Location and Service Management in Mobile Wireless ... - group of 2 »

B Gu - 2005 - scholar.lib.vt.edu

... accepting communication messages on the user's **behalf**, ... **mobile user** sends the **registration** information to ... turn can perform appropriate **update** actions, depending ...

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UMTS Network Infrastructure

A Napolitano, A Calvi, E Berruto - doi.wiley.com

... received by the **HLR register** at the time of **registration**. ... must in turn request authentication on **behalf** of the ... active PDP context, in order to **update** the GTP ...

[Web Search](#)

Quick layer-3 message multiplexing - group of 3 »

X Xu, S Yang, BSN Nelakanti, I Sayers, W Huang - US Patent 6,879,568, 2005 - Google Patents

... effect bear a multiplex function on **behalf** of the layers ... or different operator's area, it must **register** with the ... the normal case, a location **update** message is ...

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... and system for supporting differentiated network service for **mobile** customers and applications - group of 2 »

R Bhatia, J Lobo, G Venkatesh, A Quayle - US Patent 6,687,495, 2004 - Google Patents

... "Update Data ... 80a), irrespective of the **mobile** sub -scribers (100) on whose **behalf** the transactions ... of a DNSG client (80), the DNSG client will **register** a GLS ...

[Related Articles](#) - [Web Search](#)

Authentication Protocols in Wireless Communications - group of 5 »

HY Lin, L Harn, V Kumar - University of Missouri-Kansas City - mcl.hu

... the **mobile** unit operated on his **behalf** will be ... is carried out on **mobile** station **registration**, origination, and ... If both fail, the SSD **Update** Protocol is invoked ...

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Integration of intelligent network services into future GSMnetworks - group of 2 »

M Laitinen, J Rantala - Communications Magazine, IEEE, 1995 - ieeexplore.ieee.org

... A new location **update** procedure is performed when the ... The Visitor Location **Register (VLR)** contains temporary data ... that is normally integrated with the **HLR** ...

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Mobility Management in Next Generation Wireless Systems

IFAJMN Joseph, HHUW Wang - c7.com

... adopt an approach such that the MT performs a location **update** whenever it ... MSC **Mobile**

Switching Center **HLR** Home Location **Register VLR** Visitor Location ...

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A distributed control strategy for wireless ATM networks - group of 7 »

M Veeraraghavan, TF La Porta, R Ramjee - Wireless Networks, 1995 - Springer

... their mobiles and provide proxy service on their **behalf**. ... server and radio-port utilization, **update** and operation ... is only involved in the **registration** of roammers ...

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Method of personal communications service using wireline/wireless

integration detecting a ... - group of 3 »

MJ Emery, BN Tucker, LD Schwartz - US Patent 6,011,975, 2000 - Google Patents
... within range causes that station to **update** the subscriber's ... ISCP UPDATES ITS HLR
DATABASE WITH THE ANI OF ... CANCEL ANY PREVIOUS REGISTRATION ON
WIRELESS SWITCH ...

Cited by 26 - Related Articles - Web Search

On Integrated Location and Service Management for Minimizing Network
Cost in Personal Communication ... - group of 7 »

B Gu, ST Cheng - IEEE Transactions on Mobile Computing, 2006 -
doi.ieeecomputersociety.org
... with tracking the user location on **behalf** of the ... network, whenever the MU moves
across

a **registration** area boundary ... is a service handoff 1 to **update** the service ...

Related Articles - Web Search - BL Direct

Advanced Service Execution and Service Provisioning for Future
Telecommunication Networks (UMTS)

S Kleier, F Timphus, M Mobilfunk, C Görg, P ... - comnets.rwth-aachen.de
... able to perform a task autonomously on **behalf** of a ... is accomplished in order to **update**
the modified ... Packet Radio Service **HLR** Home Location Register IAM Initial ...

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[Incorporating proxy services into wide area cellular IP networks - group of 8 »](#)

Z Jiang, LF Chang, BJJ Kim, KK Leung - Wireless Communications and Networking Conference, 2000. ..., 2000 - ieeexplore.ieee.org

... with the destination servers on **behalf** of the ... of the overhead involved with mobility update procedures ... **Mobile Service Center/Visitor Location Register**) (Figure 3 ...

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R Ramjee

T La Porta

I Akyildiz

M Carman

L Salgarelli

[\[doc\] Wireless ATM Access and Advanced Software Techniques for Mobile Networks Architecture - group of 3 »](#)

TI Spa, DT AG, F Télécom, KPTTN NV, PT SA - eurescom.de

... **mobile** terminal informs its Home Agent to **update** the look up ... network, the local IGSN will contact the **HLR** of its ... by the visited network and will **register** it to ...

Related Articles - View as HTML - Web Search

[Fast and scalable wireless handoffs in support of **mobile** Internet audio - group of 21 »](#)

R Cáceres, VN Padmanabhan - **Mobile Networks and Applications**, 1998 - Springer ... Reg- isters (**VLR**) to implement **mobile registration** and tracking ... per-**mobile** host routing

entries and **update** them whenever ... own link-layer address on **behalf** of the ...

Cited by 98 - Related Articles - Web Search - BL Direct

[Software **HLR** architecture - group of 3 »](#)

B Jellema, W Tom, V Nguyen - US Patent 6,351,646, 2002 - Google Patents

... SOFTWARE **HLR** ARCHITECTURE ... In essence, the home location **register** 22 manages the mobility ...

MSn; to transfer and **update** subscriber profiles; to provide routing ...

Cited by 3 - Related Articles - Web Search

[Mobility Management Alternatives for Migration to **Mobile** Internet Session-Based Services - group of 7 »](#)

K Murakami, O Haase, JS Shin, TF La Porta - IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, 2004 - ieeexplore.ieee.org

... Upon the receipt of **Update** Location request, the UMTS ... network, it receives all **registration** and location resolution ... called foreign agent acting on **behalf** of it ...

Cited by 3 - Related Articles - Web Search - BL Direct

[and Packet Core Networks - group of 2 »](#)

RP Ejzak, HA Lassers, SD Olmstead, RJ Wilson - Bell Labs Technical Journal, 2002 - doi.wiley.com

... Today it is difficult to upgrade **mobile** telephones ... Subscriber devices **register** their contact addresses with an assigned ... as a session endpoint on **behalf** of other ...

Cited by 3 - Related Articles - Web Search - BL Direct

[Personal communications service having a calling party pays capability - group of 2 »](#)

PJ D'Amico, DR Jones, LD Schwartz - US Patent 5,579,379, 1996 - Google Patents

... within range causes that station to **update** the subscriber's ... the AIN accesses the home location **register** to determine ... ISCP UPDATES ITS HLR DATABASE WITH THE ANI ...

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[PS] ... Mobile Authentication Protocol: Controlled Access and Web Security for Lightweight Mobile Hosts

S Sharma, A Pal, RK Maddi - cse.iitk.ac.in

... However, each entry in the **VLR** of a FA has a timeout ... v and the NAS h used for **Mobile IP update** messages ... is a formal specication of how an MH may **register** to the ...

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Addressing scheme for a multimedia mobile network - group of 2 »

W Ahmed, BT Doshi, S Dravida, H Jiang, KM Rege - US Patent 6,947,398, 2005 - Google Patents

... LOOK UP MESSAGE TO HLR ON BEHALF OF INITIATING ... Subsequently, the updated network

nodes **update** other network ... the address for the home location **register** of each ...

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ANALYSIS OF SIP IN UMTS IP MULTIMEDIA SUBSYSTEM

B Zhu - 2003 - lib.ncsu.edu

... 3. **HLR** (Home Location **Register**): The central location ... 4. **VLR** (Visitor Location **Register**):

Location and management database associated with each MSC. ...

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[BlueMobile-a mobile IP based handoff system for Bluetooth, 802.11 and GPRS links - group of 3 »](#)

S Chakrabarti, ST Vuong, A Sinha, R Paul - Consumer Communications and Networking Conference, 2005. ..., 2005 - ieeexplore.ieee.org

... The Packet Control Unit (PCU) is a hardware upgrade for the ... sends registration message

to HA to inform HA its ... HA captures these packets on behalf of MH, and ...

[Cited by 1 - Related Articles - Web Search](#)

[Incorporating Proxy Services into Wide Area Cellular](#)

Z Jiang, LF Chang, BJJ Kim, KK Leung, R Bank - viola.usc.edu

... destination servers on behalf of the mobile users ... to know what commitments that the mobile net- work ... ments of individual applications, information update may be ...

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[On Mobility support in Multi-Access Wireless Networks](#)

H Chaouchi, F Bader, J Manques, N Kubinidze, I ... - ctc.es

... propose to simultaneously send location update messages through ... the GPRS link, thus reducing registration times during ... that returns a response on behalf of the ...

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[Enhanced call return in a wireless telephone network - group of 2 »](#)

LS Easley, DM Cardina - US Patent 6,496,691, 2002 - Google Patents

... The ECR feature allows the mobile subscriber to access caller-specific information for a predetermined number of past ... PSTN 18 LIDB 26 HLR VLR 23 24 IP 20 / 30 ...

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[GSM: Security, Services and the SIM - group of 3 »](#)

K Vedder - State of the Art in Applied Cryptography, Lecture Notes in ... - Springer

... are handled locally by the Visitor Location Register (VLR) where the ... the network operator, on whose behalf the SIM ... be updated at every location update and will ...

[Cited by 9 - Related Articles - Web Search - BL Direct](#)

[GPRS Security-Secure Remote Connections over GPRS - group of 4 »](#)

J Rautpal - URL: www. hut. fi/jrautpal/gprs/gprs_sec. html - hut.fi

... in BTS:s only a software update will suffice ... Visiting Location Register (VLR) database holds temporary information about ... naturally not so good on behalf of the ...

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[Agent-based Virtual Home Environment: Concepts and Performance Aspects](#)

L Hagen, P Farjami, C Gorg, R Lemle - Proc. ACTS Workshop - commets.rwth-aachen.de

... After the registration of the user at the new provider ... migrating to corresponding MSCs in case of a location update. ... specific data and can act on behalf of the ...

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[An open service architecture for adaptive personal mobilecommunication - group of 6 »](#)

T Kanter - Personal Communications, IEEE [see also IEEE Wireless ... , 2001 - ieeexplore.ieee.org
... System features (location **update**, authentication, etc.) ... a control point per device, but services **register** in and ... which can act on the user's **behalf** if the ...
[Cited by 17](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Location Management in Personal Communication Services Network
PA Pawar - 2002 - wwwhome.cs.utwente.nl
... 19 2.2.2 Caching Location Information in HLR/VLR System ... Update of location information causes data to be written at location **register**. ...
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Inter-operability between heterogeneous networks - group of 2 »
P Mehta, GMS Khandeparkar, MC Swamy - Wipro Technologies, Innovative Solutions Quality Leadership - wireless.ittoolbox.com
... Consequently, it is possible for this entity to perform certain functionality that may be required on **behalf** of the ... MIP Registration Request ... Update PDP Context ...
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[System and method for authentication in a mobile communications system - group of 2 »](#)

JE Ekberg - US Patent 7,003,282, 2006 - Google Patents

... UPDATE OF ... Client often means a program which connects with a server on behalf of the ... Center) located in connection with the home location **register HLR** of the ...

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R Ramjee

T La Porta

I Akyildiz

M Carman

L Salgarelli

[Active user management for the combined satellite and terrestrial cellular components of the UMTS - group of 2 »](#)

D Giancristofaro, LS Zhang, RE Sheriff - Satellite Systems for Mobile Communications and Navigation, ..., 1996 - ieeexplore.ieee.org

... of the new FESs to execute, on behalf of the ... new BSS <> newMSC new MSC <> I-ILR, HLR <> old MSC ... the FES through which the location **registration/update** has been ...

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[Fast and scalable handoffs for wireless internetworks - group of 12 »](#)

R Cáceres, VN Padmanabhan - ... international conference on **Mobile** computing and networking, 1996 - portal.acm.org

... Location Registers (**VLR**) to implement **mobile registration** and tracking ... **mobile host routing** entries and **update** them whenever ... link-layer address on **behalf** of the ...

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[A Secure Authentication Infrastructure for Mobile Communication Services over the Internet - group of 2 »](#)

ID la Tour - 2001 - beethoven.site.uottawa.ca

... The network infrastructure **registration** process ... Figure 5B: Communication between **mobile hosts** ... profile and user profile and make, on **behalf** of its user, an ...

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[Guaranteed air connection - group of 2 »](#)

X Xu, W Huang, I Sayers - US Patent 6,961,323, 2005 - Google Patents

... arrangements themselves or on their **behalf** by others at ... LOCATION UPDATE, USER CALL

INIT ... The Visitor Location Register (**VLR**) 46 contains selected administrative ...

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[Localization and Positioning Strategies for Nomadic Communication - group of 4 »](#)

A Küpper - hpovua.org

... service-independent component and acts on **behalf** of the ... is not necessary to perform a location **update**. Nevertheless, they have to **register** with the associated ...

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J Rautpaloo - tml.hut.fi

... in BTS:s only a software **update** will suffice ... Visiting Location Register (**VLR**) database holds temporary information about ... is naturally not so good on **behalf** of the ...

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[Response to Request For Information–Telecom Domain Task Force, OMG telecom/98-08-06 \(Covering ...\)](#)

J Biswas - omg.org

... are those of **registration** and **update** of personal ... **Register**) and **VLR** (Visitor Location **Register**), and algorithms ... thát perform various functions on **behalf** of the ...

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[Attacks and Counter Measures in 2.5 G and 3G Cellular IP Networks - group of 9 »](#)

O Whitehouse - Report by Atstake Inc. <http://www.atstake.com/research/> ..., 2004 - it.iitb.ac.in

... have resulted in @stake working proactively on **behalf** of its ... Combining this with patch deployment issues on vendor-supported ... (For simplicity, **HLR**, **VLR**, AuC, EIR ...

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[Incorporating proxy services into wide area cellular IP networks - group of 2 »](#)

WCM Comput - doi.wiley.com

... tion with the destination servers on **behalf** of the ... that is more suitable to the **mobile** user, based ... two versions whenever the user requests an **update** of certain ...

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[T La Porta](#) ... data traffic makes it uneconomical to upgrade and maintain ... Home Location **Register**), **VLR** (Visited Location **Register**) and MSC ... in the IP domain on **behalf** of the ...
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PA Pawar - wwwhome.cs.utwente.nl

... time received by the MSS on **behalf** of the MH ... the additional overhead incurred when location **register** in the ... f **update** : The estimated frequency with which **mobile** ...
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[Evaluation of strategies for supporting personal mobility andservice portability](#)

A Kupper, O Spaniol - Service Portability and Virtual Customer Environments, 2000 ..., 2000 - ieeexplore.ieee.org

... for example to localize stationary and **mobile** objects. ... independent component and acts on **behalf** of the ... and contains his service profile and the **registration**. ...
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[GSM MOBILITY MANAGEMENT USING AN INTELLIGENT NETWORK](#)

[PLATFORM. - group of 3 »](#)

S Sivagnanasundaram - elec.qmw.ac.uk

... **update** the network when a location area boundary is crossed. ... The **VLR** keeps the Home **Location Register (HLR)** updated on the location of the user. ...
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[book] [Mobile Data Access: First International Conference, Mda'99, Hong Kong, China, December 16-17, 1999 ...](#)

HV Leong - 2000 - books.google.com

... paging areas so the frequent location **update** messages need ... different operator's network,
it must **register** with the ... Normally, the **HLR** knows which network should ...
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[Interworking security in heterogeneous wireless IP networks - group of 2 »](#)

W Zhang - 2004 - ikr.uni-stuttgart.de

... local network, and sends a Binding **Update** message to ... the UE unprotected to Visitor **Location Register (VLR)**/Serving GPRS ... request to the AAAL on **behalf** of the MN ...

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J Mohammed - US Patent 6,647,426, 2003 - Google Patents

... LOC UPDATE REQ (MSI ... cellular core network 15, a **Mobile Switching Center (MSC)**

26,

Visitor Location Register (VLR) 32, a Home Location Register (HLR) 34, an ...

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I Faynberg, NJ Shah, LR Gabuzda, MP Kaplan - 1996 - books.google.com
... LINDBERG • Digital Broadband Networks and Services LOGSDON • Mobile Communication

Satellites ... For reasons of efficiency and in order to upgrade the control ...

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METHOD AND APPARATUS FOR SECURE DATA TRANSMISSION IN A MOBILE COMMUNICATION SYSTEM

PMAU HAWKES, RTUS HSU, RUS REZAIIFAR, GGAU ROSE, ... - EP Patent 1,532,506, 2005 - freepatentsonline.com

... 8D illustrates the processing of BC after registration and subscription ... MS determines that it needs to update BAK, the ... provision Ulmus with BAK on behalf of the ...

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[Managing Mobility of Users in a Virtual Network - group of 4 »](#)

A Hooda, A Karmouch, S Abu-Hakima - Multimedia Tools and Applications, 1999 - Springer
... scalable procedure to store and update the changing ... Location Register (HLR)/Visitor Location Register (VLR) scheme that ... Agent only interacts on behalf of the ...

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L Chen - comsec.uwaterloo.ca

... MN Authenticated **Registration** Established Trust Page 14. ... The Binding **Update** should be authenticated so that only the ... updates on **behalf** of a victim **mobile** node. ...

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[EVOLUTE, IST-2001-32449 D2. 1 EVOLUTE Architecture Specification - group of 6 »](#)

T Dagliolas, D Gatzounas, D Theofilatos, D Sisalem ... - fokus.gmd.de

... BU Binding **Update** CGI Common Gateway Interface ... PIC Point In Call PLMN Public Land

Mobile Network ... RR Regional **Registration** RSVP Resource reSerVation Protocol ...

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[IMPLEMENTATION OF VERTICAL HANDOFF ALGORITHM BETWEEN IEEE802.11 WLAN AND CDMA CELLULAR NETWORK - group of 2 »](#)

M Narisetti - 2005 - etd.gsu.edu

... Each SA is serviced by a Home Location Register (HLR). ... by universal access point on **behalf** of users ... of subscriber mobility requires **registration**, authentication ...

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[Personal communications services through the evolution of fixed andmobile communications and the ... - group of 4 »](#)

N Faggian, T Hua, F Cegetel - Network, IEEE, 1998 - ieeexplore.ieee.org

... 1], Universal Mnbile Telecommunications System (UMTS) [2], and International **Mobile** Telecommunications in ... or person that subscribes to a service on **behalf** of a ...

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P Reinbold, O Bonaventure - IEEE Communications Surveys, 2003 - cs856.watsmore.net

... **HLR** ... 5 but we focus here only on the IP mobility management in the case of a successful

registration. 1. Routing Area **Update** Request 2. SGSN Context Request ...

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B Sarikaya - books.google.com

... 2 Position Service **Registration** in All ... **Update** Protocols ... in GSM, GPRS and CDMA standards,

and responsible for 2G/3G wireless standardization on **behalf** of Alcatel ...

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[Unlicensed wireless communications base station to facilitate unlicensed and licensed wireless ... - group of 2 »](#)

J Mohammed - US Patent 6,922,559, 2005 - Google Patents

... 17-18, 1992 pp.: 7-13.* Wu et al., "Intelligent Handoff for **Mobile** Wireless Internet", **Mobile** Networks and Applications, 6:67-79 ... I System Server **Update** **HLR** ...

Web Search.NET 33 1X-EVDO 18, 20 1X-EVDV 18 1X-RTT 18 2G 18

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... BHCA 167 Big Bang 3 Bill on **behalf** of (BOBO ... to Network Interface) 7, 8 Upgrade 193
Upgrade type 193 ... Virtual Network Operator 30 Visited Location Register 16 **VLR** ...View as HTML - Web SearchGSM-Security: a Survey and Evaluation of the Current Situation - group of 3 »

P Yousef - daimi.au.dk

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and perform on **behalf** of the ... the device first decrypts key **update** and checks ...Cached - Web SearchResult Page: Previous 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 Next Google Home - About Google - About Google Scholar

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Flexible telecommunications system architecture

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HY Lin - Computers & Electrical Engineering, 1999 - inf.ufsc.br

... the **mobile** unit operated on his **behalf** will be ... may be his HSD) during the initial
registration. ... challenge±response process for SSD **update**, call originations ...

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... **HLR** system that is associated with the **mobile** station ... The **HLR** system can respond
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AT Tiropatis - 2000 - cs.ucl.ac.uk

... Figure 2-2: The operation of GSM – **registration** in a visiting ... agency aspect, it is
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... xii GTP-U. GPRS Tunneling Protocol-User **HLR**. Home Location **Register** IBSS. ... 3G-aware

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... routing of calls towards the visited MSC, when the **HLR** is interrogated ... of a user
in case of a **mobile** terminating ... **Visitors Location Register (VLR)**: A database ...

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Mobile Wireless System Interworking with 3G and Packet Aggregation for Wireless LAN

JS Ransbottom - 2004 - scholar.lib.vt.edu

... In support of heterogeneous **roaming** between Third Generation (3G) Wideband CDMA
(WCDMA), specifically Universal **Mobile** Telecommunications System ...

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3.1 Architecture AND Deployment Scenarios

JP Castro - doi.wiley.com

... 3.2.4.2 The 3G Home Location Register In most cases the 3GHLR will evolve from the
2GHLR through SW upgrade, ie the same **HLR** (including eg AuC and EIR ...

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